

# Flu Watch

MMWR Week 20: May 13 to May 19, 2018

*All data are provisional and subject to change as more reports are received.*

## Geographic Spread



South Carolina reported **sporadic activity** this week.



## Influenza-Associated Hospitalizations and Deaths

A total of **14** influenza-associated hospitalizations were reported by 25 hospitals. The cumulative hospitalization rate is **90.4** per 100,000. There were **0** laboratory-confirmed influenza-associated deaths reported. The cumulative mortality rate is **5.5** per 100,000. Compared to the previous week, the number of reported hospitalizations **decreased** by **1 (6.7%)** and number of reported deaths **remained the same**. In the current flu season, there have been **4,487** influenza-associated hospitalizations and **271** influenza-associated deaths reported.



## Virologic Surveillance

A total of **112** influenza cases (**112** positive rapid antigen detection tests; **0** lab-confirmed tests) were reported from 17 counties representing all four DHEC Public Health regions. Influenza B was most frequently reported by clinical labs. Compared to the previous week, this is a **decrease** of **88** cases (**44.0%**). In the current flu season, there have been **135,093** influenza cases (**131,544** positive rapid antigen detection tests; **3,549** lab-confirmed tests) reported.



## Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **1.09%**, which is **below** South Carolina's baseline (**3.13%**). Compared to the previous week, this is an **increase** of **0.30%**.

The ILI activity level was **minimal**.

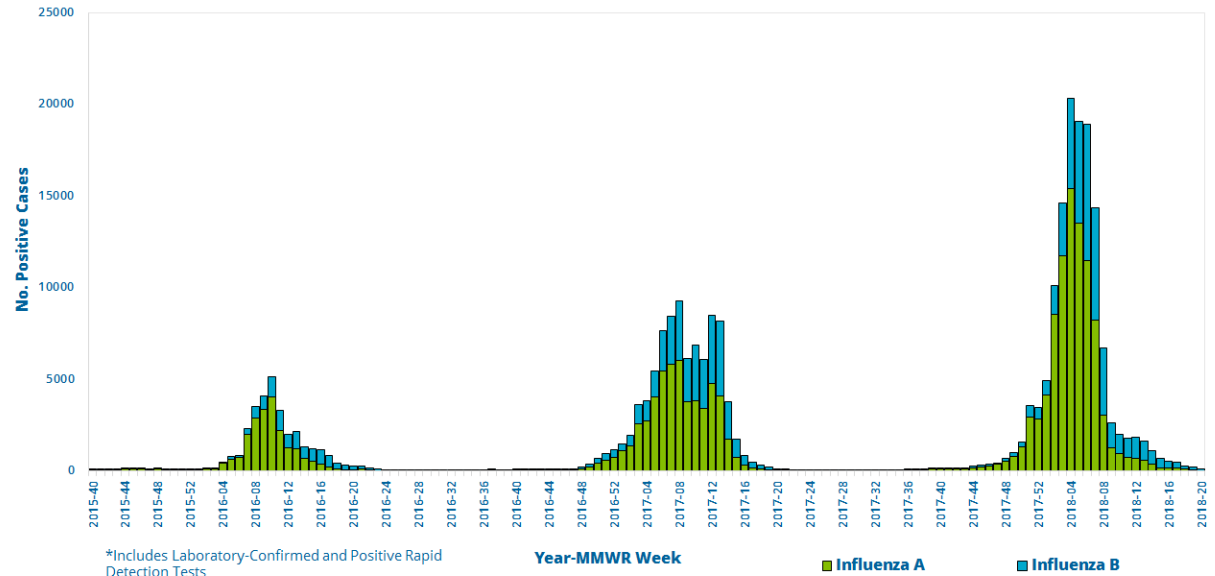


# Virologic Surveillance

This week, **0** lab-confirmed cases and **112** positive rapid influenza detection tests were reported by clinical labs.

**Influenza B** was most frequently reported by clinical labs.

Influenza Cases\* Reported by Clinical and Public Health Labs, 2015-16 Season to Present



Influenza Cases Reported by Public Health and Clinical Labs, This Week and Season Total

| Influenza Type               | Public Health Lab |                    | Clinical Labs     |                      | Total             |                      |
|------------------------------|-------------------|--------------------|-------------------|----------------------|-------------------|----------------------|
|                              | This Week         | Season Total       | This Week         | Season Total         | This Week         | Season Total         |
| <b>Overall</b>               | <b>0</b>          | <b>225</b>         | <b>112</b>        | <b>134868</b>        | <b>112</b>        | <b>135093</b>        |
| <b>Influenza A</b>           | <b>0</b>          | <b>165 (73.4%)</b> | <b>20 (17.9%)</b> | <b>91058 (67.5%)</b> | <b>20 (17.9%)</b> | <b>91223 (67.5%)</b> |
| A (H3)                       | --                | 124 (75.2%)        | --                | 390 (0.4%)           | --                | 514 (0.5%)           |
| A (H1N1)                     | --                | 41 (24.8%)         | --                | 168 (0.2%)           | --                | 209 (0.2%)           |
| A (not subtyped)             | --                | --                 | 20 (100%)         | 90500 (99.4%)        | 20 (100%)         | 90500 (99.3%)        |
| <b>Influenza B</b>           | <b>0</b>          | <b>60 (26.6%)</b>  | <b>92 (82.1%)</b> | <b>43296 (32.1%)</b> | <b>92 (82.1%)</b> | <b>43356 (32.1%)</b> |
| B (Victoria)                 | --                | 2 (3.4%)           | --                | --                   | --                | 2 (0.0%)             |
| B (Yamagata)                 | --                | 53 (88.3%)         | --                | --                   | --                | 53 (0.1%)            |
| B (lineage not performed)    | --                | 5 (8.3%)           | 92 (100%)         | 43296 (100%)         | 92 (100%)         | 43301 (99.9%)        |
| <b>Influenza (not typed)</b> | <b>--</b>         | <b>--</b>          | <b>0</b>          | <b>514 (0.4%)</b>    | <b>0</b>          | <b>514 (0.4%)</b>    |



# Virologic Surveillance

Map of Influenza Cases (n)\*  
and Influenza Case Rate/100,000 By County  
For Week Ending 5/19/2018

Weekly Influenza Case Rate per 100K

0 to 25 persons

26 to 50 persons

51 to 75 persons

Greater than 75 persons



\*Includes all lab-confirmed and positive rapid cases



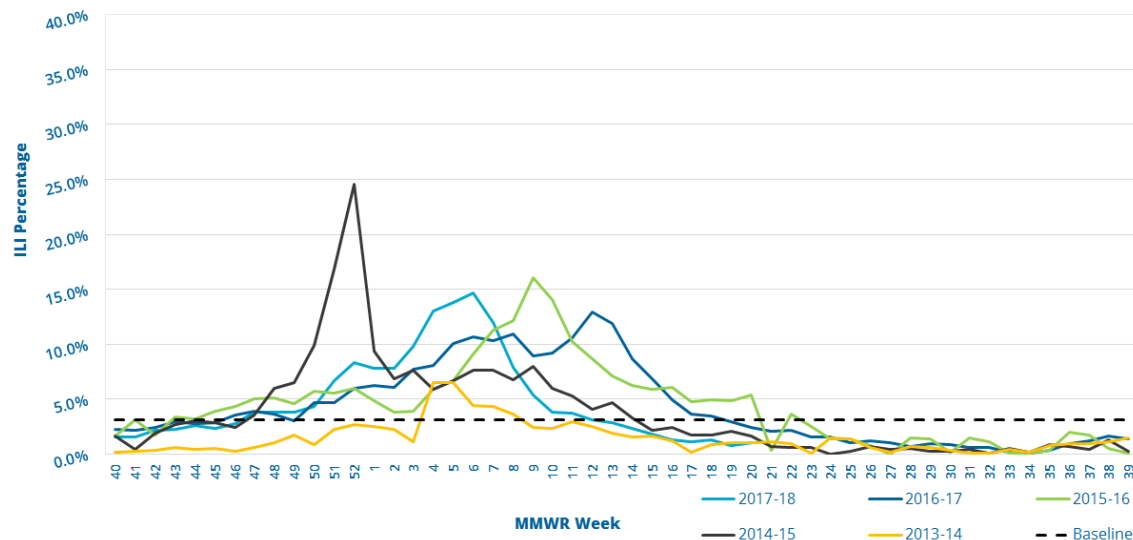
# Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and **1.09%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.13%**.

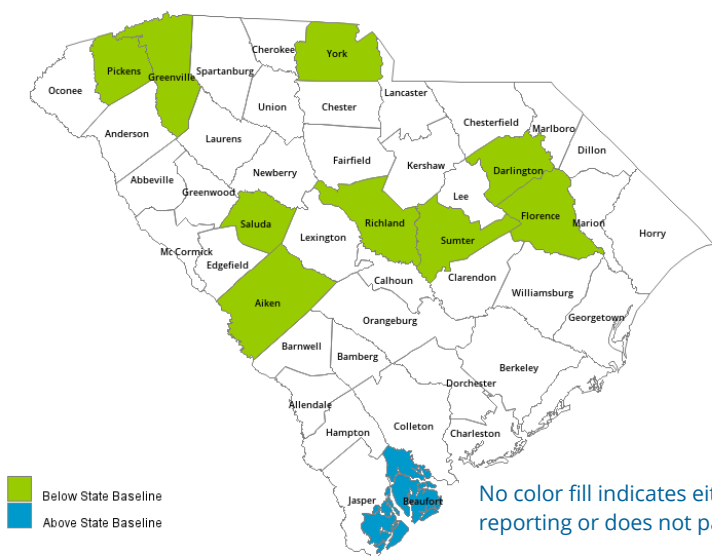
Reports were received from providers in 10 counties, representing all 4 DHEC Public Health regions.

**\*\*ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.\*\***

Percentage of Influenza-Like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2017-18 Calendar by Week of the Year

| OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 40  | 44  | 48  | 1   | 5   | 9   | 14  | 18  | 22  | 27  | 31  | 35  |
| 41  | 45  | 49  | 2   | 6   | 10  | 15  | 19  | 23  | 28  | 32  | 36  |
| 42  | 46  | 50  | 3   | 7   | 11  | 16  | 20  | 24  | 29  | 33  | 37  |
| 43  | 47  | 51  | 4   | 8   | 12  | 17  | 21  | 25  | 30  | 34  | 38  |
|     |     | 52  |     |     | 13  |     |     | 26  |     |     | 39  |

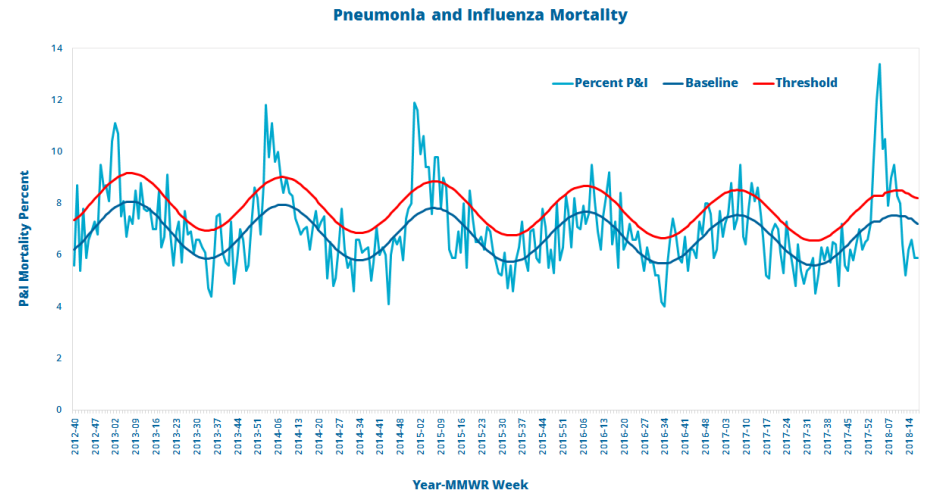
ILI ACTIVITY LEVELS: **MINIMAL** **LOW** **MODERATE** **HIGH**



# Influenza-Associated Hospitalizations And Deaths

| Age Group  | Hospitalizations |                  |              | Deaths    |                  |              |
|------------|------------------|------------------|--------------|-----------|------------------|--------------|
|            | This Week        | Rate per 100,000 | Season Total | This Week | Rate per 100,000 | Season Total |
| 0 to 4     | 2                | 54.2             | 159          | --        | 1.0              | 3            |
| 5 to 17    | 2                | 17.5             | 141          | --        | --               | --           |
| 18 to 49   | 1                | 29.2             | 584          | --        | 1.3              | 27           |
| 50 to 64   | 2                | 115.5            | 1052         | --        | 4.9              | 45           |
| 65 & older | 7                | 403.7            | 2551         | --        | 31.0             | 196          |
| Total      | 14               | 90.4             | 4487         | --        | 5.5              | 271          |

The percentage of deaths attributed to pneumonia and influenza was 5.9%. This is **below** the epidemic threshold for the week ending April 28, 2018.



**Reported Influenza-Associated Hospitalizations by Age Group, 2015-16 Season to Present**

